



The Technical Cooperative Program Joint Systems & Analysis Group (JSA), Technical Panel 5 on Dismounted Combatant Operations (TTCP-TP5)

General Description:

TP5 works collaboratively to improve the analytical tool set and knowledge base supporting dismounted combatant analyses. It leverages and complements the US Infantry Warrior Simulation (IWARS) Army Technology Objective (ATO) Program.

Objectives:

To improve our knowledge base and shared tools in four areas essential to rigorous, robust and reliable analysis. Specific programs and goals have been identified in each Action Area (AA). The Areas are:

- **AA-1:** equipment-based technology and concepts to fit the 2020 timeframe;
- **AA-2:** models, wargames, and simulations of dismounted combatant operations;
- **AA-3:** data collection and collection techniques.
- **AA-4:** innovative integrated protective concepts against novel weapons.

Facts:

- The Terms of Reference (TOR) and associated Action Area (AA) work Plans were officially approved by JSA in June 2001. Primary thrusts include obtaining agreement with other Technical Panels (TPs) and Action Groups (AGs) in focusing future warrior system technology development and further expansion of the shared Data Access and Retrieval Tool (DART), as well as Verification and Validation (V&V) of the Infantry Warrior Simulation (IWARS) and the Close Action Environment (CAEn) wargame.
- A Project Agreement on Blast Protection for Individual Warfighters (AA-4) has been created and is awaiting approval by the US Army. The proposed agreement involves collaborative work to attenuate the challenge from thermobaric munitions and will significantly benefit the US Army ballistic protection program.
- TP5 worked with the UK to convert the CAEn from PASCAL/Digital Equipment Corp. platforms to the Windows operating system and PC platforms. Source and executable code has been distributed to the nations, with the latest version of CAEn distributed to members on 20 May 2005.
- Two workshops were conducted in Edinburgh, AS in October 2004. An AA-1 Workshop reviewed national technology development programs and modified the technologies identified in the Report Technology Requirements for Soldier Modernisation in the 2015 timeframe. A subsequent workshop held by AA-2 and AA-3 went on to consider data and modeling requirements and their implications. The IWARS Alpha release was distributed to members after this workshop.
- The annual program review meeting was held in Toronto, CA on 17-20 May 2005, where the past year's program and results were reviewed. Planned out-year programs were also reviewed and revised. These actions are captured in the TP5 Annual Report to the JSA Group. Prior to this meeting, TP5 also provided input to Hum AG23 new TOR and Key Collaborative Activities.
- Consistent with current TTCP emphasis on Network-Centric Warfare, a TP5 workshop to explore three Communications/Information technology Issues and modeling implications is planned for October in the UK. Plans also involve incorporating certain elements of CAEn code into IWARS.

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